

Determination of Oxygen, Nitrogen, and Hydrogen
Contents in Hard Steel, by R. A. Karasev, A. Yu.
Poliakov. UNCLASSIFIED

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Sep 1952, pp 1360-1368.

Navy Tr 999/BuShips 555

Scientific - Minerals/Metals
8 pp (orig) May 54 CJS 14,030

Heat Transfer in Turbulent Motion of Liquid in
Tubes, by M. A. Mikhayev, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
1952, pp 1448-1454.

AEC Tr 3760

202 - Engd

Sep 59

196,726

The Kinetics of the Interaction of Metal and Slag From the Point of View of the Ionic Theory, by O. A. Esin, A. I. Okunev. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10, 1952, pp 1472-1482.

DSIR LRU M.13L2

(loan)

Sci - Min/Met
May 60

116,589

Breaking Down of Crystal Blocks and Appearance of
Microstresses in the Metal During Plastic Deformation,
by B. M. Rovinskii and L. M. Rybakova, 7 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10,
Moscow, Oct 1952, p 1483-1487.

NACA N-37216

USSR
Sci - Aerodynamics Engineering

25,809

Unsteady State Filtration of Gasified Liquid Through
a Porous Medium, by M. D. Rozenbergh, 16 pp.

RUSSIAN, no per., Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 10, 1952, pp 1489-1500.

Sci Museum Lib No 54/0788

Scientific - Physics

May 54 CMS

14,115

Silicosis in the Mining Industry in the USSR,
UMCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 10, 1952, pp 1578-1581.

DSIR LMG M.1346
SCA 60-17181
(loan)

Sci - Med
Apr 60

112,687

Effect of Moisture on the Methane Content of Coal, by
V. V. Khodot.

RUSSIAN, per, Izvestiya AN SSSR, Otd Tekh Nauk., No 12,
1952, pp 1802-1810.

*NTIS TT 72-53018

Mar 72

(FDD 21594)

Academician Aksel' Ivanovich Berg (On the Occasion of His 60th Birthday), by I. S. Dzhigit,
12 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Seriya No 12, Moscow, Dec 1953, pp 1869-1874.

CIA/FDD/U-6230

USSR
Sci - Engineering, radio

18, 368

The Use of High-Frequency Current for the Through
Heating of Steel Bars, by V. P. Vologdin

RUSSIAN, per, In Ak Nauk SSSR, No 1, Jan 1953, pp 3-15.

Brutcher Tr 3285

c
Scientific - Minerals/Metals
Jul CIS/DMK

Price \$5.90

15,968

Investigations of Wave Phenomena in Hydraulic Structures on Navigable Rivers and the Methods of Their Three-Dimensional Model Studies, by I. V. Egiazarov.

^a
RUSSIAN, per Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 2, 1953.

Dept of Int
US Bur of Reclamation
Tech Lib
Denver, Colo.

Sci - Engr

90, 324

Jun 59

To the Question of a Unified Method of
Determining the Strength of Coal, by
M. M. Protod'yakonov, 25 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, No 2, 1953, pp 283-298.

MDF P-123
9093059

Sci
Nov 61

173.320

Comparative Evaluation of Results of Oxygen Analysis
of Steel by Chemical as Against Vacuum-Fusion Methods,
by V. A. Mcchedlishvili, A. M. Samarin

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 3,
1953, pp 378-382.

Brutcher Tr 3194

Scientific - Minerals/Metals
CTS/DEX Price \$3.60

7849

On the Interrelation Between the Hydrodynamics of
Steam-water Mixtures, the Temperature Distribution
in a Metal and the Deposition of Easity Soluble
Slats in Horizontal Steam-generating Pipes, by
M. A. Stuyrikovich, Z. L. Miroplolskiy, N. M. Anikin,
9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1953, pp 432-440.

Sci Mu Lib Tr 55/0632

24,387 AERE 479

Scientific - Engineering

Jun 55 CTS

The Velocity Field of a Water Flow Under
Sudden Increase in Depth, by B. A. Fidman,
18 pp.

RUSSIAN, ~~Entso per~~, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 4, 1953, pp 512-522.

Sci Mus Lib No 55/1124
Nat Res Lib TT-514

Sci - Physics
CIS 71/Aug 1955

25,745

Mechanism of Oxidizing Copper Sulfide by Oxygen,
by D. M. Chishikov, G. S. Frents, B. Ya.
Trutsevitskaya, 12 p.

RUBSTAN, per, Iz Ak Nauk SSSR, Otd Tekh Nauk,
1953, No 4, pp-523-532.

NDF C-115

Sci
Apr 60
Vol III, No 3

112, 039

Problems in Theory of Combustion of Carbon and
Coke and Trends in Development of Combustion and
Gasification Technology of Solid Fuels, by Z. F.
Chukhanov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, 1953, pp 562-598.

DSIR LLU RTS 1506

Sci - Phys

Sep 60

125,563

<p>Semenov, N. N. BASIC QUESTIONS OF THE CONTEMPORARY THEORY OF HOMOGENEOUS COMBUSTION IN UNIFORM GASEOUS SYSTEMS. [1963] 36p. 30 refs. Order from OTS or SLA \$3.60 63-14511</p> <p>Trans. of [Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya] 1953, no. 5, p. 708-729. A partial trans. (p. 708-709) is available from LC or SLA mfgl. 80, phsl. 80 as 60-23012, F-TS-8192 [1959] [3]p.</p> <p>DESCRIPTORS: *Gases, *Combustion, Theory, Reaction kinetics, *Ignition, *Chain reactions, *Flame propagation, Velocity, Flammability, *Detonation, Shock waves.</p> <p>(Chemistry--Physical, TT, v. 10, no. 8)</p>	<p>63-14511</p> <p>I. Semenov, N. N.</p> <p>Office of Technical Services</p>
--	--

Summary of the Scientific Technical Conference on
the Theory of Combustion of Fuel, by A. S.
Predvoditelev.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5,
1953, pp 741-751. Sanjourd - 56/0300

Co-op Tr Sch 79

D.S.I.4

10,594

Scientific - Fuels
Jul 54 CTS

£4.8s.(11s.0d.)

Calculation of Bearings Under Dynamic Load,
by E. M. Gut'yar, 11 pp. UNCLASSIFIED

RUSSIAN, no par, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, May 1953, No 5, pp 762-766.

Navy Tr 1154/BuShips 580

Scientific - Engineering
Physics Mar 55 CTS/DEK

23, 969

Influence of Slurry on Flotation of Coal Fines, by
I. N. Plaksin, N. S. Vlasova.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, 1953, pp 882-895.

MIL R. 4368

Sci - Min/Metals

194, 012

Apr 62

Temperature Dependence of the Oxidation of Mineral
Fuels, by V. S. Veselovskiy, E. A. Terpogosova, 8 pp.

RUSSIAN, per, Izvestiya Akad.Nauk SSSR, Otdeleniya
Tekhn.Nauk, No 6, 1953, pp 905-909.

Sci Tr Center RT-2279

Urgent
Scientific - Minerals/metals

Nov 55
CTS/DEX

28,260

Honor of Academician B. A. Vvedenskiy in Connection
With His 60th Birthday. UNCLASSIFIED

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, 1953, p 947.

ATIC F-TS-8227

Scientific - Miscellaneous, scientist

Feb 54 CTS 9544

Investigation of the Process of the Combustion of
Carbon in a Bed, by N. A. Karzhavina.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1953, pp 969-991.

DSIR LLU RTS 1509

Sci - Phys

Sep 60

125,565

On the Motion of Solid Particles in Gaseous Suspension, by G. N. Khudyakov, 19 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1953, pp 1022-1034.

Sci Tr Center
RT-2241

Scientific - Physics

CTS 69/Jun 55

24, 721

On the Structure of Austenite at High Temperature, by
V. A. Oding, M. G. Lozinsky, UNCLASSIFIED

RUSSIAN, per, Iz Akad SSSR, Otdel Tekh Nauk,
No 7, 1953, pp 1035-1043.

Brutcher No 3274

\$9.40

Scientific - Min/Metals

15,476

Tendency Towards Spontaneous Ignition of
Petrographic Types of Coal From the
Prokop'evsk Deposits in the Kuzbass, by
N. V. Marevich, A. B. Travin, 18 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, No 8, 1953, pp 1110-1117.

Sci Tr Center
RM-2282

Scientific - Chemistry
CITS 70/Jul 55

25225

Activity of Carbon and Oxygen in Iron-Carbon-Oxygen Melts, by A. N. Samarin, R. A. Karsayev, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdelenie Tekhnicheskikh Nauk, 1953, pp 1130-1136.

No 8

Assoc Tech Svc
Sci Tr Center
TRJ-J.68

Scientific - Physics

17,431

Table of Contents, 2 pp.

RUSSIAN, per, Iz Ak Nauk, Otd Tekh Nauk, No 9,
1953, pp 1217-1367.

AF 604311

Dex only

USSR
Scientific
CIA 2203711

89¹⁹
~~89~~

Structural Changes in Metal During Creep, by B. M.
Rovinskiy, L. M. Rybakova.

RUSSIAN, 120 Pgs, Iz Ak Nauk, USSR, -~~222-10000-10000~~
Otdel Tekh Nauk, No 9, 1953, PP. 1241-1247

Brutcher Tr 3224

10,452

Ref - Min/Metals
CFS/DEX

Price \$6.80

ST- 1514

Sy ab Naik, Otdel Tekhnika,
1953, pp 1360-1364

The Coordinating Activity in
Establishments of the Dept. of
Technical Sciences.

On the Structure of Carbonized Substances, by
V. I. Kasatochkin, 32 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 10, 1401-1416, 1953

PP

Sci Tr Ctr Kf-3726

36881

Sci - Chemistry
Aug 56 CTB/dex

(FDD 21949)

Some Regularities in the Predetonation Propagation of Flame, by V. A. Popov, 23 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10, Moscow/Leningrad, Oct 1953,
PP 1428-1439.

CIA/FDD/U-6505

USSR

Sci - Chemistry, combustion and explosives

18, 986

Gas Formation in the Combustion of a Powdered Carbon Bed, by E. S. Golovina.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 10, 1953, pp 1444-1451.

DSIR LLU RTS 1508
SLA C1-13250

Sci - Phys

Sep 60

125,558

Structure and Properties of Nitrogen-Bearing Chromium Metal and Ferrochromium, by M. L. Korolev.

UNCLASSIFIED

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 10,
1953, pp 1465-1470.

Brutcher Tr 3264

Scientific - Minerals/Metals

Price \$5.90

11,957

Duration of Air-Bubble Attachment to Mineral
Particles in the Flotation Process and Its
Measurement, by V. A. Gleabotskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel. Tekn. Nauk,
No 11, 1953, pp 1524-1531.

P

Dept of Interior
TN7, E57, No 173

Sci - Chem

105,038

Jan 60

On the Nature of Turbulent Combustion, by Y. B.
Sviridov, 30 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 11, 1953, pp 1577-1591.

NACA N 43503

Sci - Engineering, Physics, Aeronautics
35-237
Jan 1956

Study of the Antiwear Properties of Lubricants
by Means of Radioactive Tracers, by Yu. S. Zaslavskiy,
G. I. Shor, F. B. Lebedeva. UNCLASSIFIED

RUSSIAN, no per, Iz Ak Nauk, Otdel Tekh Nauk, No 11,
1953, pp 1598-1608.

ATIC F-TS-8363

Scientific - Physics Dec 54 CTS/DEX

20, 318

TT-64-10355

Fidman, B. A.
THE RESULTS OF THE MEASUREMENT OF TURBULENCE IN UNIFORM AND ABRUPTLY EXPANDING DUCTS (Rezul'taty Izmereniya Turbulentnosti v Ravnometernom i Rezko Raschirayushchemsya Potokakh). [1964] 25p (some refs omitted) 2refs Order from OTS, SLA, or ETC \$2.60 TT-64-10355

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya, 1953, no. 11, p. 1630-1638.

I. Fidman, B. A.

Office of Technical Services

(Mechanics--Hydrodynamics, TT, v. 11, no. 12)

Distribution of Gas Pressure Near a Moving Free Surface of Flaming Coal, by S. A. Khristianovich,

RUSSIAH, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 12, 1953, pp 1673-1678

23, 419 Co-op Tr Sch No 112
L2. 8s. (6s. Od.)

Soviet Russia 5/4/76

Scientific - Physics May 55 GDS

The Eruption Wave (In a Coal Seam); by S. A.
Khristianovich.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 12,
1953, pp 1679-1688.

Sci Mus Lib Tr 57/0117
Co-Op Trans Sch Tr 131

Sci - Geophysics
Jul 57

49, 372

The Fulverization Wave (In a Coal Seam), by
S. A. Khristianovich.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 12,
1953, pp 1689-1699.

Sci Mus Lib Tr 57/0118
Co-Op Trans Sch Tr 132

Sci - Geophysics
Jul 57

49, 374

Solubility of Oxygen in Nickel-Chromium and Iron-Nickel-Chromium Melts, by S. V. Bezobrazov, A. M. Samarin.

DSC
RUSSIAN, per, Iz Ak Nauk SSSR, OIM, No 12, 1953,
pp 1790-1796.

Brutcher Tr
No 3417

20,889

Scientific - Min/Metals

Jan 55 GTS/DEX

Controlling the Degree of Oxidation of Coking
Coals, by V. G. Zashkvara, E. S. Krym, 14 pp.

RUSSIAN, per, Izvestiya Akademii Nauk SSSR.
Otdelenie Tekhnicheskikh Nauk, No 12, 1953,
pp 1819-1825.

Sci Trans Center RT-3262

Scientific - Technology Fuels
32, 790

Apr 56

Certain Rules of Radiant Heat Exchange, by
P. K. Komakov.

RUSSIAN, per, Iz Ak Akad. Otdel Tekh. Nauk,
No 12, 1953, p 1847.

Navy 2043/T-66

Sci - Physics
Mar 59

83,126

The Investigation of the Wearing of a Cutting
Instrument Using Radioactive Isotopes, by
I. P. Madeyinskaya, 24 pp.

USSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 1, 1954, pp 24-40.

Sci Mu Lib Tr No 55/0218

23,548

May 55 CTS

Scientific - Nuclear Physics, Engineering

Investigation of the Wearing Resistance of
Cutting Tools by the Method of Radioactive
Isotopes and Irradiation, by N. F.
Kazakov.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, Vol 1, 1954, pp 41-53.

Coop Tr Sch 145 *Scanned*
L5.4s. (13s.Od.) 571572

Sci - Physics
~~Mechanical Metall~~

ENGL 11.01.19 29,567

Accuracy of Engine Wear Investigation by the
Radioactive Tracer Method, by Yu. S. Zaslavskiy.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 1, 1954, pp 54-60.

27,498

Assoc Tech Sv RJ-232
\$8.40

Scientific - Chemistry
CIS 53/Oct 1955

Study of Gas-Flow Distribution in Blast Furnaces
With the Aid of a Model, by N. N. Chernov,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh. Nauk, No 1,
1954, pp 80-91.

ATS RJ-919
FTS 13 J 15 A

Sci - Fuels
Jul 59

91,256

The Effects of Oxygen on the Flotation of Galena
and Chalcopyrite, by S. V. Bessonov, I. N.
Plaksin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Nauchn. Tr. I, 1954, pp 114-127.

MLL RTS 1933

Sci - Chem

204, 826

Jul 62

Deformation of Bronzes, Subjected to Pressure,
by S. E. Gubkin, Z. A. Tsvaygel. UNCLASSIFIED

RUSSIA, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 1, 1954, pg 128-137.

NLC. M. 4078
British Iron and
Steel Ind 1039
(12.15.0)

Sci - Min/Met
Nov 58

75,900

Plotting the Boundaries of Limited Solubility in a
Ternary System by the Microhardness Method, by
V. M. Geazov, M. V. Zakharov, and M. V. Stephanova,
8 pp.

RUSSIAN, per, Izvest, Akad, Nauk SSSR, Otdel Tekh
Nauk, No 1, Jan 1954, pp 162-164.

SIA Tr R-1181

Sci

65,794

Relationship Between Surface Tension of Liquid
Chromium-Nickel Alloys and Some Properties in
Their Solid State, by O. S. Bobkova, A. N.
Samarin,

RUSSIAN, per, Iz Ak Nauk, Otdel Tek Nauk,
No 2, 1954, pp 52-59.

Bratcher Tr No 3373

Scientific - Min/Metals, Physics

13,730

Investigation of the Properties of Molten Slag Components by an e.m.f. Method, by O. A. Esin,
B. M. Lepinskikh

RUSSIAN, per Izvestiya Akademii Nauk SSSR, Otdelenie
Tekhnicheskikh Nauk, No 2, 1954, pp 60-66.

(a)
National Research Library TP.575
Ottawa, Canada

32,715-

Apr 56

Scientific - Chemistry

Peculiarities of the Deformation in Monocrystalline
and Polycrystalline Copper on Heating to High
Temperatures in a Vacuum, by M. Lozinskiy, S.
Fedotov.

RUSSIAN, per, Izvest Akad Nauk O. T. N., Vol XII,
1954, pp 92-96.

UKSM GB 43

Sci - Minerals/Metals
Feb 58

58, 551

Processes Occurring in the Bosh of the Blast Furnace, by I/ P. Bardin, M. Ya. Ostroukhov

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1954, pp 72-81.

25,290

Brutcher Tr 3525
5.82

Scientific - Min/Metals Jul 55 CTS

Growth Rate of the Martenitic Crystal, by A. N.
Alfimov, A. P. Gulyayev, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1954, pp 88-90.

AEC UCRL-Trans-665(L)

Sci - Chem
Aug 61

165, 395

Sources of Nonmetallic Inclusions in Bearing Steel
Identified by Use of Radioactive Calcium, by V. A.
Grigoryan, A. M. Samarin.

RUSSIAN, no per, Iz-Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, Mar 1954, pp 91-101.

Henry Brutcher Tr 3858

Sci - Minerals/Metals \$6.80
Feb 1957 CTS 43,899

Effect of Blowing With Carbon Monoxide Gas in
Electric Furnaces Upon Steel Quality, by A. V.
Vishnyakov, A. N. Samarin.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekhn Nauk,
No 3, Mar 1954, pp 102-109.

Henry Bratcher:
Tr 3926
\$8.80 50,736

Sci - Min/Metals, Metallurgy
Aug 57

The Effect of the Material and of the Mechanical Treatment of the Surface on the Heat Exchange in the Boiling of Water, by E. K. Averin, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 3, 1954, pp 116-122.

Sci Mus Lib Tr 55/2767
a.s.c Tech SV AJ-305
A.E.R.E. Lib Tr 562
30,855

Sci - Chemistry
Physics

Lozinskii, M. G. and Fedotov, S. G.
CHANGES IN HARDNESS OF PURE METALS
DURING HEATING. [1964] 7p (figs omitted) 22refs
Order from OTS, SLA, or ETC \$1.10 TT-64-14937

Trans. of Akad[emiya Nauk] SSSR. Otdelenie] Tech-
[nicheskikh] Nauk. Izvestiya 1954, no. 4, p. 80-85.

(Metallurgy, TT, v. 11, no. 11)

TT-64-14937

I. Lozinskii, M. G.
II. Fedotov, S. G.

F D D / U - 7045

Office of Technical Services

Use of Low Temperature Peat, by E. M. Tait, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, 1954, pp 100-106.

SAC memo 57/193/
Co-op Tr Sch Tr 137
Index L2.8s. (7s.0d)

26,769

Scientific - Chemistry

Sep 55 CTS

Initial Phase of Oxidation of Coals as a Surface Phenomenon, by V. S. E Veselovskii,
G. L. Orlovskaia, 13 pp.

RUSSIAN, no pag, Izvestiia Akademii Nauk SSSR.
Otdelenie Tekhnicheskikh Nauk, No 4, 1954,
pp 140-146.

Sci Tr Center RT-4614

Scientific - Technology Fuchs
Jan 59 CIS

42, 309
Dep. of Defense
Loyalty Information Center
Ref. of Soviet Sci.
TN 7, 657, N. 244

Emulsion Combustion of Carbon, by S. S. Golovkin.

RUSSEAU, per, Iz Ak Nauk SSSR, Ogran. Tekhn. Nauk,
No. 4, Mezhd., 1954, pp 187-191.

Dept. of Interior
US Bur. of Mines
Central Experiment Station
Pittsburgh, Pa. 41264

Sci - Chem

May 59

87-480

Inhibitors of Low Temperature Oxidation of Mined
Coal, by E. A. Terpogosova.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 4, 1954, pp 147-151.

Co-Op Tr Sch No 192
\$2. (5s.0d.)

Sci - ~~Minerals, Chemistry~~
FuelS

39,323

SLA R-3117

The Effect of the Size of Crystal Grains on the
Stress Relaxation in Pure Metals, by V. G. Liutsau,
B. M. Rovinskii, 11 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1954, pp 91-94.

SLA R-1004

May 58

63,863

Structure of Region of Cavitation, by
K. K. Shal'nev, 57 pp.
RUSSIAN, par, An Sssr, Izvestiya, Otdeleniye
Tekhnicheskikh Nauk, No 5, 1954, pp 119-146.
P100185968-V
FTD-MT-65-556

Sci/Phys
Sept 68

364,953

The Structure of the Cavitation Region, by K.K.
Shmal'nyev, 39 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Tekh Nauk,
No 5, 1954, pp 120-146.

CIA/FDD/Z-239

Sci - Engineering

37, 442

Aug 1956

The Temperature Field of a Turbine Disc, by
A. G. Kostyuk, 17 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6
1954, pp 25-36.

Sci Mu Lib Tr 55/1421

26, 76/

R - 140

Sep 55 CMS

Scientific - Physics,

On the Question of Choosing the Method of
Designing the Blade Length of Turbine Stages,
by V. G. Tyryshkin, 13 pp.

A K Nauk *el*

RUSSIAN, per, Iz AN SSSR, Otd Tekh Nauk, No 6,
1954, pp 37-44.

Morris D. Friedman T-122
\$6.50

aer. Engineering 26, 854

Sep 1955 CTS/DEX

On Pneumatic Servomechanisms, by V. M. Chelomey,
20 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, 1954, p 39.

Morris D. Friedman C-101
\$10.00

Scientific - Physics

CTS 67/Apr 55

22, 952

Dependence of Profile Losses in Cascades on Angle of Attack, by V. I. Lokai, 9 pp.

RUSSIAN, per, Izv. AN SSSR, Otd. Tekh. Nauk, No 6,
1954, pp 47-52.

Morris D. Friedman L-128
\$6.50

Scientific - Physics 26,855

Sep 1955 CTS/DEX

T.I.L. T.4651

Possible Mechanism of the Breakdown of Metal
in a Corrosive Medium, by Yu. N. Rabotnov,
5 pp.

RUSSIA, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, 1954, pp 53-56.

Sci Mus Lib = 56/0146

Sci - Minerals/Metals 33,794

May 1956

Influence of Preliminary Plastic Deformation on
Stress Relaxation in Pure Metals, by B. M.
Rovinskij, B. G. Lyutzeu, 5 pp.

RUSSIAN, g mo per, Iz Ak Nauk SSSR, Otdel Tekh
Nauk, No 6, 1954, pp 57-60.

Sci Mus Lib 56/0443

Sci - Minerals/Metals, Physics
36, 387
Jul 1956

The Strength and Plasticity of Alloy D₁₆T
Under Complex Stress Systems, by A. M.
Zhukov, 15 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel
Tekh Nauk, No 6, 1954, pp 61-70.

Sci Mus Lib -56/0444

Sci - Chemistry, Minerals/Metals
Jul 1956 36, 393

Investigation of the Effect of Pressure ~~on~~ on the
Coefficient of Heat Transfer in Boiler ~~Tubes~~
Tubes, by F. F. Bogdanov, 7 pp.

RUSSIAN, ^Mpar., Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, 1954, pp 137-144.

25,454
Scientific - Physics

SI A 2175
AEC Tr 2175
AERE Harwell 709
Sci Mus Ser 56/1975
Jul 55 CTS

Investigation of the Oxidizing Zone in a Blast Furnace Working on Blast of Normal and of ~~xxxx~~
Increased Moisture Content, by N. N. Chernov,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 7, 1954, pp 105-115.

Brutcher Tr 3449
\$7.80

26,078

Aug 55 CTS

Scientific - Min/Metals

Some Basic Theories on the Thermal Processing of
Fuels, by Z. F. Chukhanov, 19 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Tekh Nauk,
No 8, 1954, pp 7-22, Encl to IR-~~2235~~ 1687-56,
AFOIN-LAI.

AF 1025927

Sci - Fuels
Nov 56 CIS

40, 967

Breakup of Fluid Which Takes Place Inside the Pipe
When the Fuel is Atomized, by I. E. Ulyanov, 6 pp.

INSSIMI, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
No 6, Aug 1954, pp 23-28, Encl to IR-1605-56,
AFOIN-IAL. CIA 379464

AF 1019108

39-405

Sci - PHYSICS, ~~physics~~ cavitation, atomization
Oct 1956 CTS/Dec

An Experiment on the Application of Radioactive Isotopes to the Study of the Purity of Vapor Used in Semi-Industrial Ultra-High Pressure Boilers, by T. Kh. Margulcva, 16 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 8, 1954, pp 29-36.

AEC Tr 2190 26, 110

Scientific - Physics

Aug 55 CTS/DEK

Production of Hydrogen by Catalytic Conversion
of Natural Gas With Steam, 6 pp.

RUSSIAN, per, Iz Ak Nauk, Otdel Tekh Nauk, No 8,
1954, Encl to IR-1055-56.

ADD 35, 672

Sci - Chemistry, Fuels

- Jun 1956

AF 684526

Dex Only